

# Matthias Benjamin Jungfleisch

## Publications

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### Submitted or accepted

- [35] J. Sklenar, W. Zhang, **M. B. Jungfleisch**, H. Saglam, S. Grudichak, W. Jiang, J. E. Pearson, J. B. Ketterson, and A. Hoffmann. Unidirectional spin-torque driven magnetization dynamics, *Phys. Rev. B*, in press.

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- [34] **M. B. Jungfleisch**, J. Ding, W. Zhang, W. Jiang, J. E. Pearson, V. Novosad, and A. Hoffmann. Insulating nanomagnets driven by spin torque, *Nano Lett.* **17**, 8 (2017).
- [33] W. Jiang, X. Zhang, G. Yu, W. Zhang, **M. B. Jungfleisch**, J. E. Pearson, O. Heinonen, K. L. Wang, Y. Zhou, A. Hoffmann, and S. G. E. te Velthuis. Direct Observation of the Skyrmion Hall Effect, *Nat. Phys.* **13**, 162 (2017).
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- [31] H. Saglam, W. Zhang, **M. B. Jungfleisch**, J. Sklenar, J. E. Pearson, J. B. Ketterson, and A. Hoffmann. Spin Transport through the metallic antiferromagnet FeMn, *Phys. Rev. B* **94**, 140412(R) (2016).
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- [26] J. Sklenar, W. Zhang, **M. B. Jungfleisch**, W. Jiang, H. Saglam, J. E. Pearson, J. B. Ketterson, and A. Hoffmann. Spin Hall effects in metallic antiferromagnets – perspectives for future spin-orbitronics, *AIP Adv.* **6**, 055603 (2016).
- [25] W. Zhang, J. Sklenar, B. Hsu, W. Jiang, **M. B. Jungfleisch**, J. Xiao, F. Y. Fradin, Y. Liu, J. E. Pearson, J. B. Ketterson, Z. Yang, and A. Hoffmann. Research Update: Spin transfer torques in permalloy on monolayer MoS<sub>2</sub>, *APL Mater.* **4**, 032302 (2016).
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- [14] **M. B. Jungfleisch**, A. V. Chumak, A. Kehlberger, V. Lauer, D. H. Kim, M. C. Onbasli, C. A. Ross, M. Kläui, and B. Hillebrands. Thickness and power dependence of the spin-pumping effect in YIG/Pt heterostructures measured by the inverse spin Hall effect, *Phys. Rev. B* **91**, 134407 (2015).
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## Book chapters

- [1] **M. B. Jungfleisch**, W. Zhang, R. Winkler, and A. Hoffmann. ‘Spin-Orbit Torques and Spin Dynamics’ in “Spin Physics in Semiconductors”, 2nd Edition, edited by Michel I. Dyakonov, in press.